

MUHAMMAD VARRIEL AVENAZH NIZAR

Senior Mobile Engineer | Flutter & React Native Specialist | Web3 Integration | Mobile Fintech

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Senior Mobile Engineer with 4+ years of proven expertise in architecting high-performance cross-platform applications. Specialized in bridging mobile development with Web3 and blockchain technologies. Successfully built and scaled mobile applications to 1M+ downloads. Deep proficiency in Flutter, React Native, and Web3 wallet integrations.

Proven track record delivering secure, production-ready cryptocurrency and fintech applications for international markets. Strong focus on code quality, security-first architecture, and performance optimization at scale.

CORE TECHNICAL EXPERTISE

Mobile Development (Primary)

- Flutter: Expert level, performance optimization, state management (BLoC, GetX, Provider)
- React Native: Advanced, Expo, native modules (Swift, Objective-C, Kotlin, Java)
- iOS/Android: Swift, Objective-C, Kotlin, Java
- Cross-platform Architecture, WearOS Development

Web3 & Blockchain Integration

- Wallet Integrations: WalletConnect, Reown AppKit, RainbowKit
- JavaScript Web3 Libraries: Ethers.js, Viem, Web3.js, Web3.dart
- Multi-chain Support: EVM (Ethereum, Polygon, Arbitrum), Solana
- Blockchain Concepts: Smart contract interaction, transaction signing, gas optimization, decentralized applications
- Crypto APIs: CoinGecko API, blockchain RPC interactions

Backend & Infrastructure

- Node.js, Go, GraphQL, REST API
- Firebase (Auth, Firestore, Functions), Google Cloud Platform, AWS
- PostgreSQL, MySQL, MongoDB
- Docker, CI/CD Pipelines

Web Technologies

- Next.js, React.js, TypeScript, JavaScript (ES6+)
- Tailwind CSS, Responsive Design
- Data Visualization: D3.js, Three.js

Specialized Competencies

- Mobile Security: Secure key storage, encryption, device integrity checks
- Performance Optimization: Memory management, rendering optimization, bundle size reduction
- Clean Architecture: SOLID principles, modular design, TDD
- International Teams: Remote collaboration across multiple time zones

PROFESSIONAL EXPERIENCE

Senior Mobile Engineer

Rolling Glory | Bandung, Indonesia

August 2024 - Present | Remote

Enterprise Mobile & Web Solutions for Corporate Clients

- Architected and delivered 8+ high-performance mobile applications using Flutter and Next.js for enterprise clients across healthcare, fintech, and e-commerce sectors
- Optimized application performance by 40% through advanced state management and code splitting, improving user experience and reducing load times
- Implemented complex integrations with payment gateways and real-time data synchronization systems
- Established CI/CD workflows and coding standards that improved team velocity and deployment reliability
- Collaborated with cross-functional teams (design, QA, backend) across multiple time zones to deliver production-ready solutions

Key Technologies: Flutter, React Native, Next.js, TypeScript, Firebase, GraphQL

Senior Mobile Developer (Freelance)

Nearay GmbH | Berlin, Germany

June 2024 - June 2025 | Remote

German Market Mobile Solutions & Cultural Experience Platform

- Led cross-platform mobile development for European market expansion, delivering culturally-adapted applications
- Increased user engagement by 200% and reduced time-to-market by 6 weeks through rapid prototyping and iterative development
- Engineered modular Flutter architecture enabling seamless integration with backend CMS systems

- Implemented GDPR compliance standards within mobile application architecture for European market
- Managed asynchronous communication with European stakeholders across 8+ hour time differences, delivering all milestones independently

Key Technologies: Flutter, Next.js, GraphQL, Firebase, European data privacy standards

Lead Mobile Engineer

PT InKanteen Technology Solutions | Jakarta, Indonesia

August 2022 - September 2025 (Full-time: Aug 2022 - Aug 2024 | Contract: Aug 2024 - Sep 2025)

High-Scale F&B Ordering System & Fintech Ecosystem

- Led end-to-end development of core ordering platform serving 300+ active enterprise locations with thousands of daily transactions
- Reduced application crash rates by 95% and improved transaction processing speed by 75% through systematic code refactoring and performance profiling
- Architected real-time order tracking, payment gateway integration, and inventory management systems
- Implemented multi-location transaction processing with financial accuracy (99%+ transaction success rate)
- Designed and documented clean architecture patterns adopted across the engineering team

Key Technologies: Flutter, Firebase, Payment Gateway Integration, Real-time Synchronization, Dart

Mobile Engineering Intern

WorkLifeAndBeyond | Jakarta, Indonesia

February 2021 - August 2022 | Remote

HR Technology Platform Development

- Developed core HR mobile application modules including employee management and attendance tracking
- Optimized legacy codebase resulting in 30% improvement in application load times
- Participated in agile sprints, code reviews, and adopted industry-standard version control practices

Key Technologies: Flutter, Firebase, Dart

FEATURED PROJECTS (Web3 & High-Scale Focus)

Intro Tools ML PRO | 2024

Cross-Platform Content Creation Application - 1M+ Downloads

- Successfully architected and launched creative content mobile application

- Achieved 1,000,000+ downloads on Google Play, demonstrating proven ability to build market-scale consumer applications
- Implemented performance optimizations ensuring stability for millions of concurrent users
- Impact: Validated product-market fit and technical execution at scale

Technologies: Flutter, Dart, PHP Backend, Performance Optimization

Myusic AI Mobile App | 2025

AI Music Generation Platform with Web3 Integration

- Developed Flutter application with Web3 wallet authentication using Reown AppKit
- Implemented multi-chain blockchain support (EVM networks)
- Integrated AI music generation capabilities with NFT minting functionality
- Designed secure key management for wallet interactions
- Impact: Full-featured music creation platform with blockchain integration, demonstrating Web3 expertise

Technologies: Flutter, Dart, GetX, Reown AppKit, Web3 Integration, Ethers.js

Pricediction | 2025

Cryptocurrency Trading Intelligence Platform

- Built Next.js web application integrating CoinGecko API and OpenAI API
- Implemented real-time cryptocurrency price analysis with AI-driven predictions
- Developed macroeconomic sentiment analysis for trading insights
- Designed responsive interface for crypto traders
- Impact: Advanced crypto trading platform demonstrating Web3 domain expertise

Technologies: Next.js, TypeScript, CoinGecko API, OpenAI API, Tailwind CSS, Three.js

Smart Access System | 2025

AI-Powered Security Platform with Computer Vision

- Integrated facial recognition (Dlib) and license plate detection (YOLO + OCR)
- Developed mobile and web interfaces for access management
- Implemented real-time logging and AI-driven security automation
- Impact: Enhanced security infrastructure with advanced machine learning capabilities

Technologies: Flutter, Next.js, Go, PostgreSQL, Dlib, YOLO, OCR, TensorFlow

Additional Notable Projects

- Bebelac Parenting App: 85% user engagement increase through personalized recommendations (Flutter, Firebase, ML)
- Audy Dental CMS Platform: 40 hours/week administrative savings, 99% appointment accuracy (Next.js, Laravel)

- PPT Creat: 5,000+ downloads, presentation creation platform (Flutter)
- Wake Later: WearOS smart alarm system with Samsung Health SDK integration
- Nearay Cultural Experience Platform: 200% engagement increase, 150% booking growth

EDUCATION

Bachelor of Computer Science

ESQ Business School, Jakarta | 2018 - 2022

Graduated with distinction in Software Engineering

PROFESSIONAL CERTIFICATIONS

- Full-Stack Laravel Flutter 2021: Building E-Commerce and Chat Applications (Buildwithangga)
- Advanced Flutter Mobile Apps Development Certification (Buildwithangga)
- AI Ignition Training - Alkademi (2024)
- Introduction to User Experience Principles and Processes - Coursera
- Agile Project Management for Remote Teams (2023)

RESEARCH & PUBLICATIONS

1. "Penentuan Jurusan Kuliah Menggunakan Metode Forward Chaining Berbasis Web"
 - Published: Jurnal Teknik Mesin, Elektro dan Ilmu Komputer (JTMEI), June 2022
2. "Membandingkan Metode Jaringan Syaraf Tiruan Backpropagation dan Learning Vector Quantization dengan OpenCV pada Pengenalan Wajah"
 - Published: Jurnal Riset Informatika dan Teknologi (JURRITEK), April 2022

LANGUAGES

- Indonesian: Native Speaker
- English: Professional Working Proficiency (Business Fluent, written and spoken)
- German: Basic Conversational

KEY ACHIEVEMENTS

- 1M+ Downloads: Architected mobile application achieving 1 million+ downloads, demonstrating technical execution at scale
- Web3 Expertise: Implemented secure wallet integrations and multi-chain blockchain support in mobile applications
- Performance at Scale: Optimized applications for millions of users, maintaining 99%+ stability
- International Collaboration: Successfully delivered projects across German and Indonesian markets with cross-timezone teams

- Code Quality: Consistently maintained high code standards and comprehensive testing practices
- Security Focus: Implemented mobile security best practices including secure key storage and encryption

WHAT I BRING TO INTERNATIONAL WEB3 COMPANIES

- Proven ability to build mobile applications serving millions of users with high reliability
- Deep hands-on experience with Web3 technologies including wallet integrations and blockchain interactions
- Strong understanding of fintech and cryptocurrency application development
- Fluent English communication for international remote teams
- Track record delivering production-ready code with security-first mindset
- Experience working with European companies and international best practices